

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: A. Ishida et al.

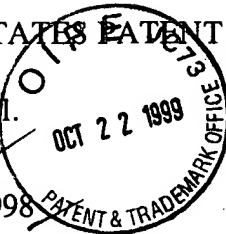
Serial No.: 09/042,681

Filed: March 12, 1998

For: LITHIUM SECONDARY BATTERY

: Art Unit: 1745

: Examiner: J. Crepeau



#8/a  
10/27/99  
ec

AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

S I R :

Responsive to the Official Action dated June 16, 1999, please amend the  
above application as follows and consider the following remarks:

IN THE CLAIMS:

Please cancel claims 3, 4, 6, 9, 14.

Please amend claims 1, 2, 8, 12, 13 and 15 as follows:

RECEIVED  
OCT 25 1999  
TECHNICAL ROOM

1 1. (Amended) A lithium polymer secondary battery comprising  
2 a positive electrode, a negative electrode, and a gel polymer electrolyte composed  
3 of polymer and an organic electrolytic solution dissolving lithium salt, further  
4 containing ceramic not relating to charge and discharge reaction of the battery in at  
5 least one of said positive electrode and said negative electrode, the content of the  
6 ceramic being 0.01 to 10 parts by weight in 100 parts by weight of active  
7 substance, the ceramic being granular, and said particle size being 10 microns or  
8 less.

1 2. (Amended) A lithium polymer secondary battery of claim 1,  
2 wherein the ceramic is at least one [type] ceramic material selected from the group  
3 consisting of Al<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub>, ZrO<sub>2</sub>, MgO, and Na<sub>2</sub>O.